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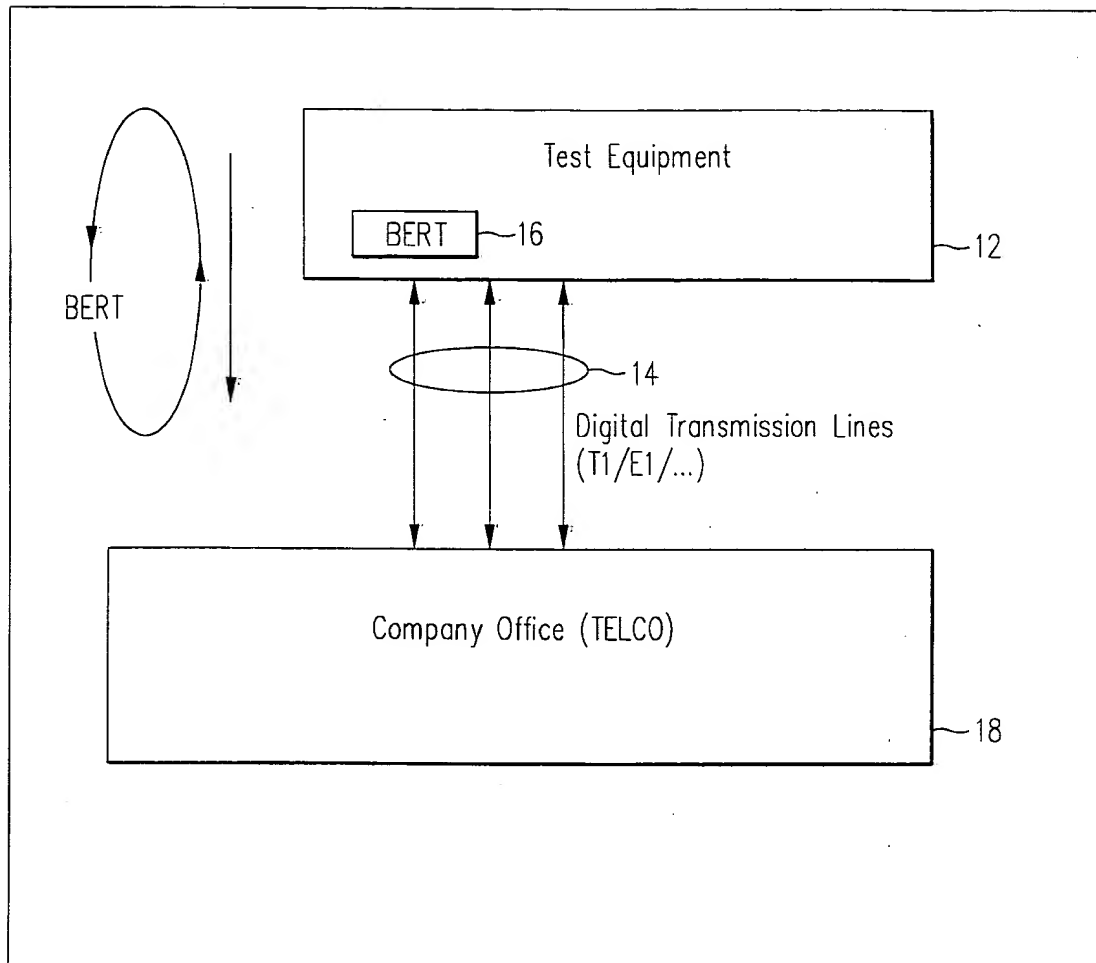


FIG. 1

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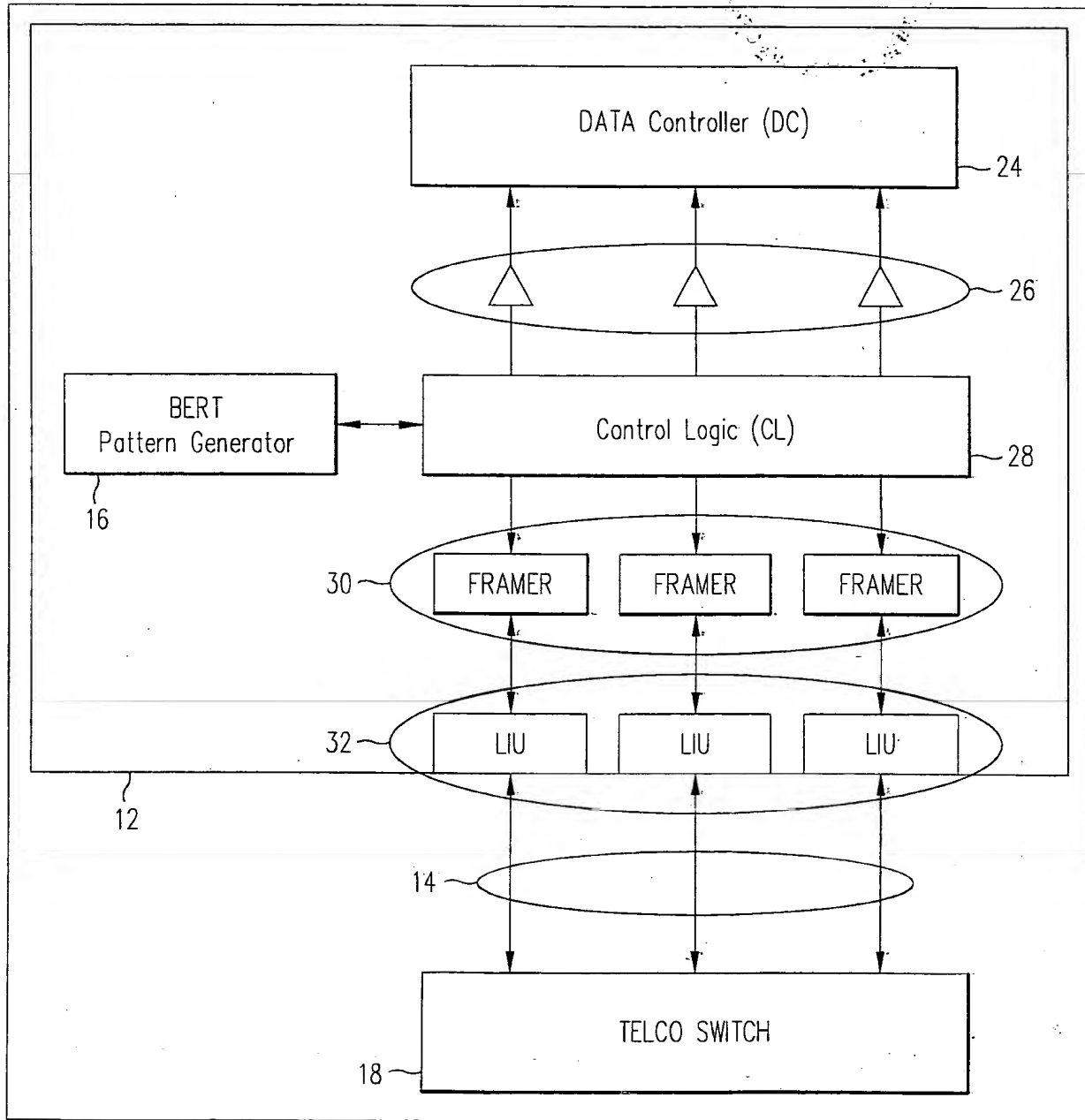


FIG. 2

## PSEUDORANDOM PATTERN GENERATION

PATTERN TYPE	
$2^3 - 1$	
$2^4 - 1$	
$2^5 - 1$	
$2^6 - 1$	
$2^7 - 1$	
$2^7 - 1$	Fractional T1 LB Activate
$2^7 - 1$	Fractional T1 LB Deactivate
$2^9 - 1$	0.153 (511 type)
$2^{10} - 1$	
$2^{11} - 1$	0.152 and 0.153 (2047 type)
$2^{15} - 1$	0.151
$2^{17} - 1$	
$2^{18} - 1$	
$2^{20} - 1$	0.153
$2^{20} - 1$	0.151 QRSS (PCR. 6=1)
$2^{21} - 1$	
$2^{22} - 1$	
$2^{23} - 1$	0.151
$2^{25} - 1$	
$2^{28} - 1$	
$2^{29} - 1$	
$2^{31} - 1$	
$2^{32} - 1$	(see note below)

FIG. 3

## REPETITIVE PATTERN GENERATION

PATTERN TYPE
all ones
all zeros
alternating ones and zeros
double alternating ones and zeros
3 in 24
1 in 16
1 in 8
1 in 4
D4 Line Loopback Activate
D4 Line Loopback Deactivate

FIG. 4

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